15_09 Dimensioning of Gutters and Islands

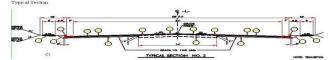
Question:

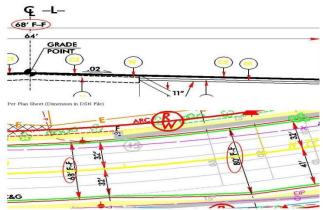
In reference to plotting the 1'-6" curb and gutter lighter;

The 1'-6" (450mm) C&G should be copied 1.5' (0.450m) from EOP. The island should match up with the center of 1'-6" (450mm) C&G. This may not eliminate the problem, but this is the correct way to draw 1'-6" (450mm) C&G on Roadway plans.

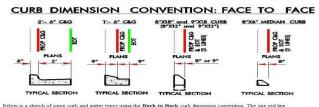
Answer:

Base on production, the line (and offset) which represents curb and gutter on plans is heavily dependent on the dimension convention used. There are two main dimension conventions that are used in a set of Roadway plans. They are either dimensioned from face to face (F-F) of curb or back to back (B-B) of curb. These two conventions are detailed on the Typical Sections and on each plan sheet.



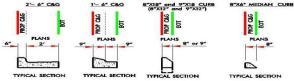


Below is a sketch of some curb and gutter types using the Face to Face curb dimension convention. The one red line represents the curb and gutter or just the curb line on the plans. Note the dashed black line is just used as reference and not drawn.



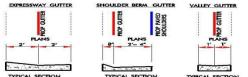
Below is a sketch of some curb and gutter types using the **Back to Back** curb dimension convention. The one red line represents the curb and gutter or just the curb line on the plans. Note the dashed black line is just used as reference and not determine the curb and gutter or just the curb line on the plans.

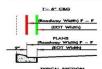
CURB DIMENSION CONVENTION: BACK TO BACK



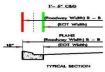
In addition, for proposed concrete gutters (without curbing), the one red line representing the proposed gutter is strictly located at the gutter water flow point as shown on the plans. Note the dashed black line is just used as reference and not drawn.

GUTTER DIMENSION CONVENTION (WITHOUT CU





from back to back of curb, then the EOT line is copied over 18" (1.5').



Note that three major design items are affected by which convention used. The three stems are the three center curve layout berm weith (always from the face of curb to berm curful lange point), and the concrete divieweys (drop and radius types) convention. These be saves of three three design tems and other like them, if one chooses to use the Back to Back convention.